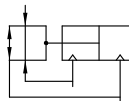
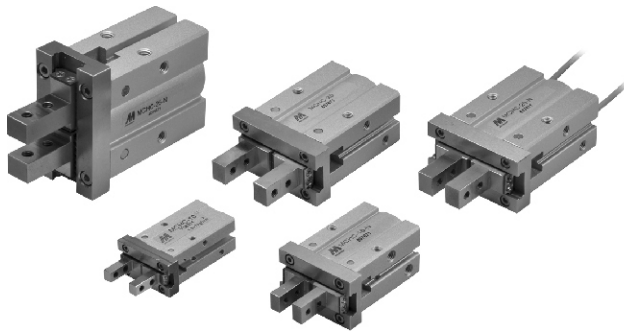


MCHC series

PARALLEL GRIPPERS



Order example:

MCHC-20-N

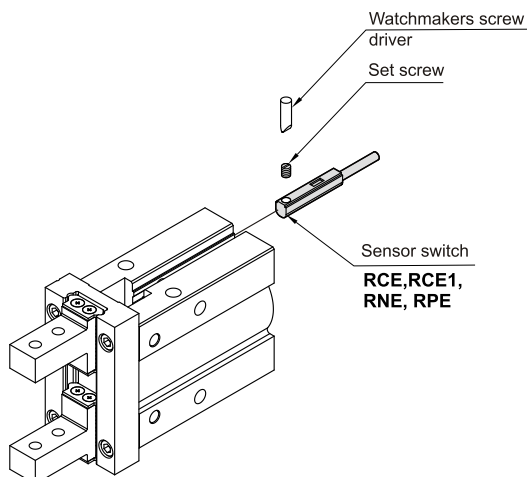
MODEL

TUBE I.D.

TYPE

Blank	Standard
N	Narrow

Installation of sensor switch:



Features:

- Integral linear guide used for high rigidity and high precision.
- The material of finger is martensitic stainless steel.
- Grooves on the body for sensor switch to be inserted into.
- Standard with magnet.

Specification:

Model	MCHC	
Acting type	Double acting	
Tube I.D. (mm)	10	16, 20, 25
Port size	M3 × 0.5	M5 × 0.8
Medium	Air	
Operating pressure range	2~7 kgf/cm ²	1~7 kgf/cm ²
Ambient temperature	-10~+60°C (No freezing)	
Repeatability	± 0.01 mm	
Max. frequency	180 cycles / min	
Lubricator	Not required	
Sensor switch (※)	RCE / RCE1: Reed switch,	
	RNE: NPN, RPE: PNP	
Weight (g)	55	125, 250, 460

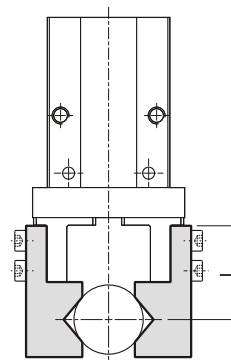
※ Reference RCE / RCE1 series (page O-30).

Gripping force:

Tube I.D. (mm)	Gripping force ⁽¹⁾		Opening closing stroke (Both sides) (mm)
	Girpping force per finger effective value N (kgf)		
	External	Internal	
10	9.8 (1)	17 (1.7)	4
16	30 (3.1)	40 (4.1)	6
20	42 (4.3)	66 (6.7)	10
25	65 (6.6)	104 (10.6)	14

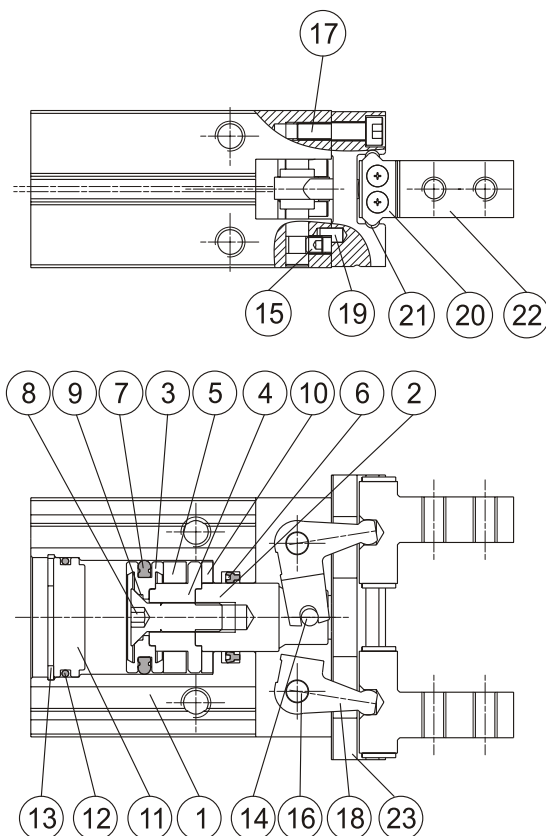
Note 1) Values based on pressure of 0.5 MPa (5.1 kgf/cm²), gripping point L=20mm, at center of stroke.

Length of gripping point



MCHC Inside structure & Parts list

PARALLEL GRIPPERS



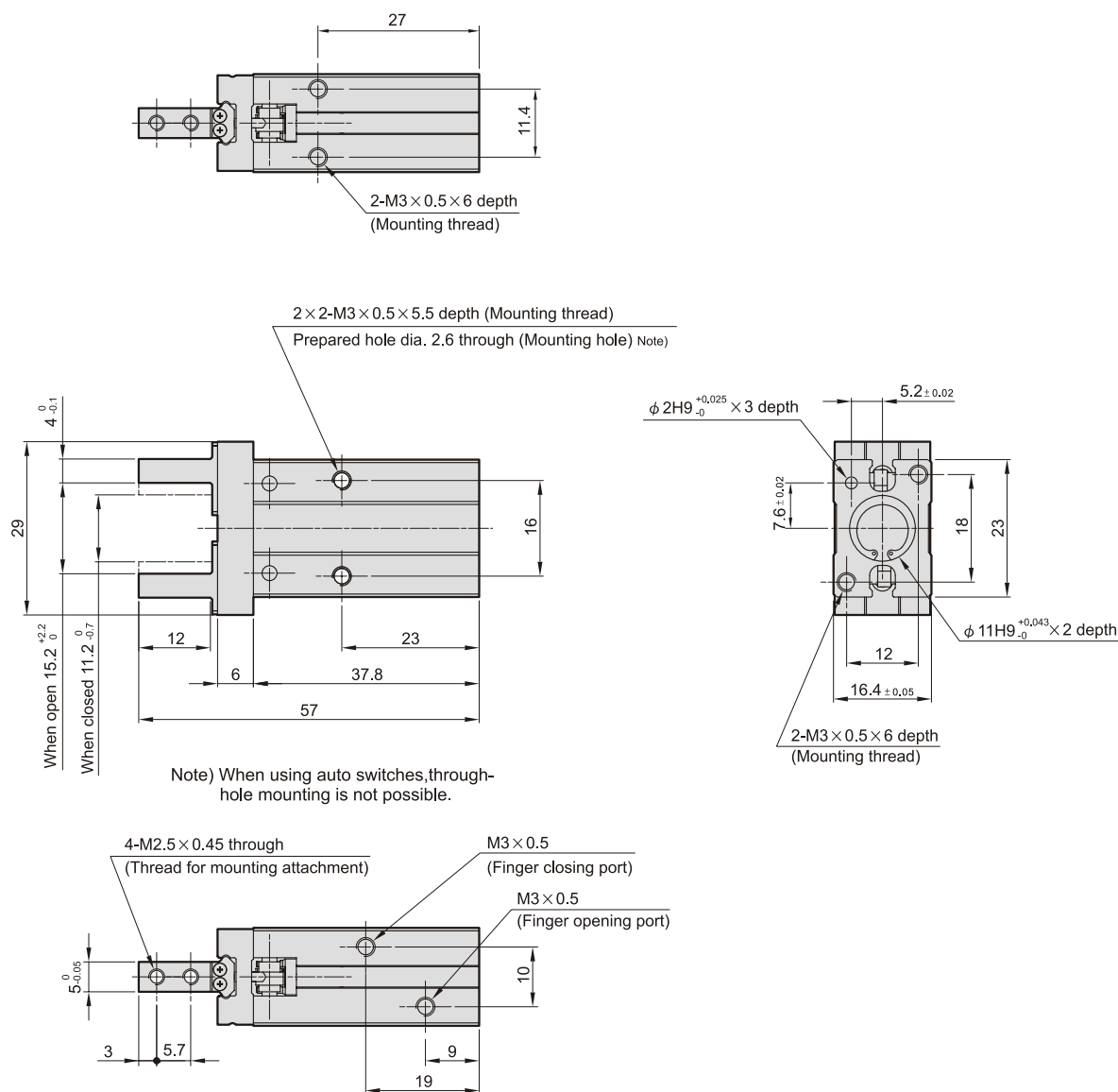
Material:

No.	Part name	Material
1	Body	Aluminum alloy
2	Piston rod	Stainless steel
3	Piston	Aluminum alloy
4	Piston R	Aluminum alloy
5	Magnet ring	Magnet material
6	Rod packing	NBR
7	Piston packing	NBR
8	Screw	Stainless steel
9	Gasket	NBR
10	Cushion pad	PU
11	Head cover	Aluminum alloy
12	Cover ring	NBR

No.	Part name	Material
13	Stop ring	Stainless steel
14	Spindle river	Carbon steel
15	Screw	Carbon steel
16	Grip rivet	Carbon steel
17	Bolt	Stainless steel
18	Lever	Stainless steel
19	Pin	Carbon steel
20	Roller stopper	Stainless steel
21	Steel balls	Stainless steel
22	Finger	Stainless steel
23	Guide	Stainless steel

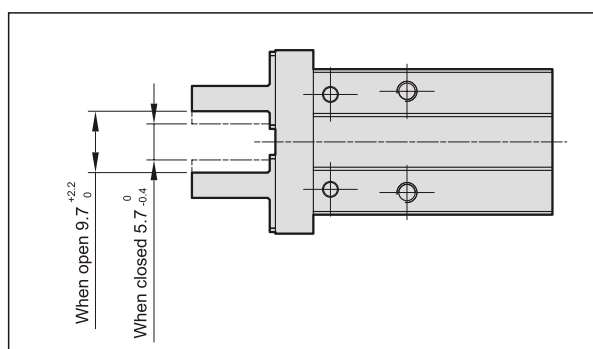
MCHC Dimensions $\phi 10$

PARALLEL GRIPPERS



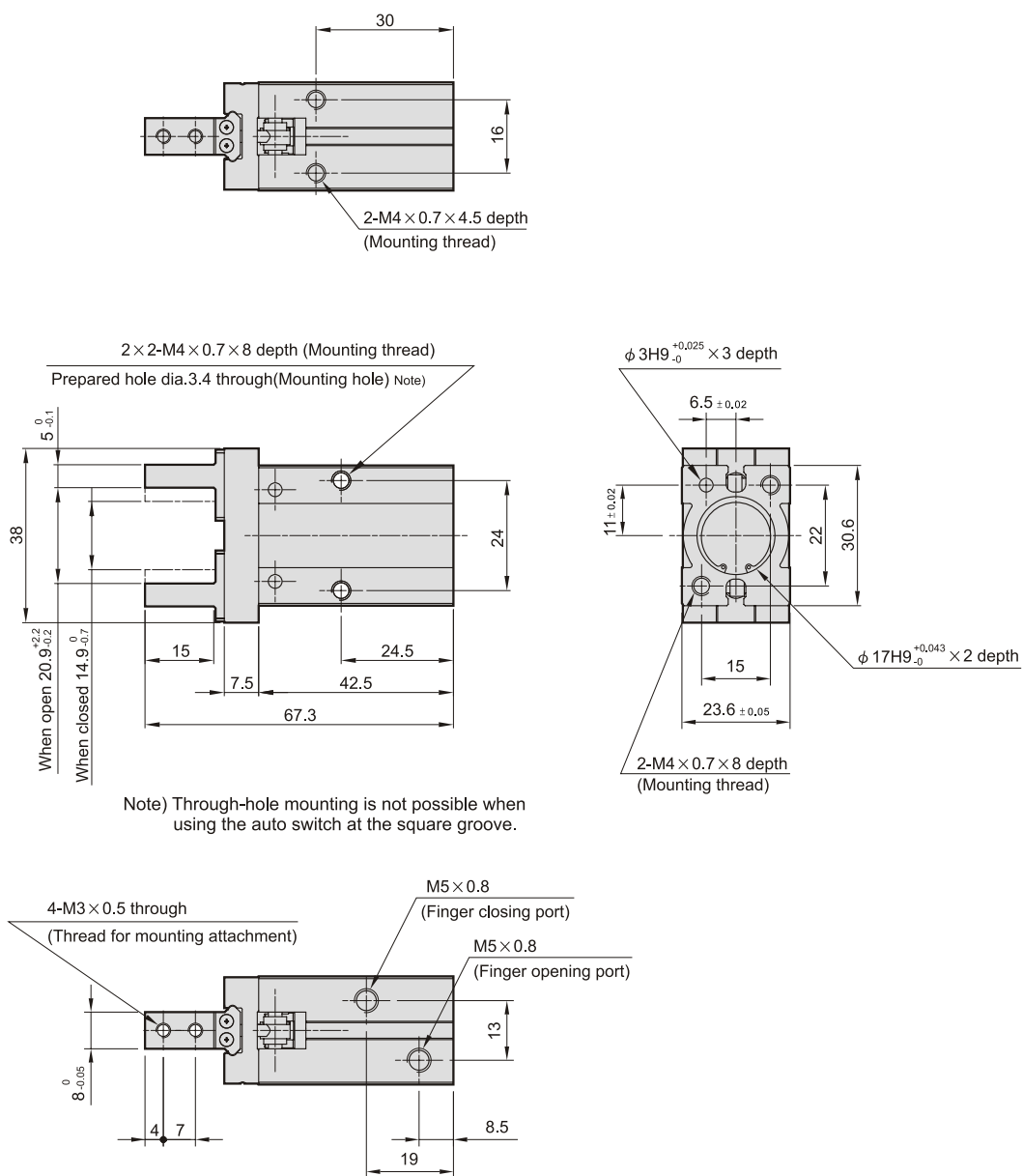
Finger position / Narrow type

MCHC-10-N



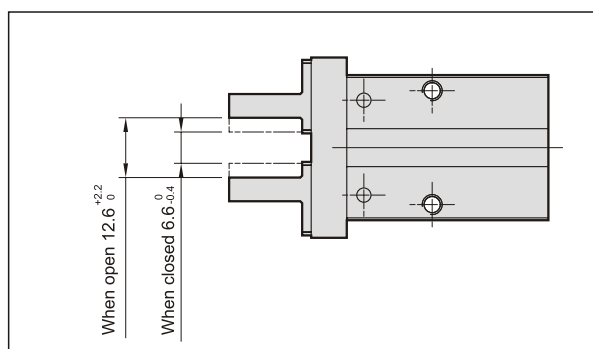
MCHC Dimensions $\phi 16$

PARALLEL GRIPPERS



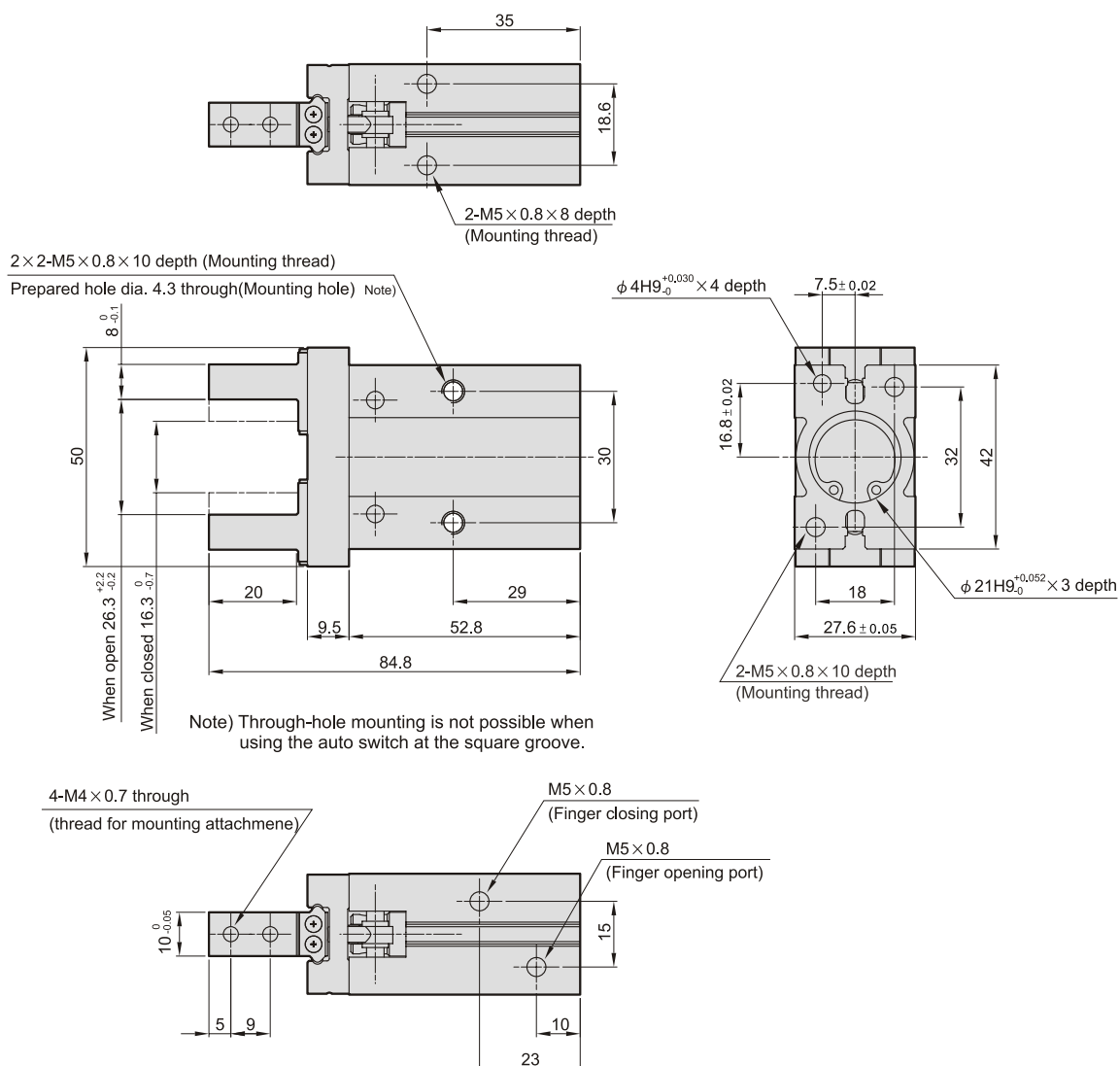
Finger position / Narrow type

MCHC-16-N



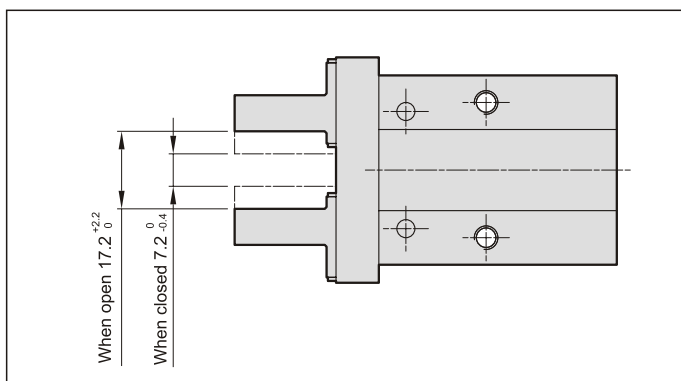
MCHC Dimensions $\phi 20$

PARALLEL GRIPPERS



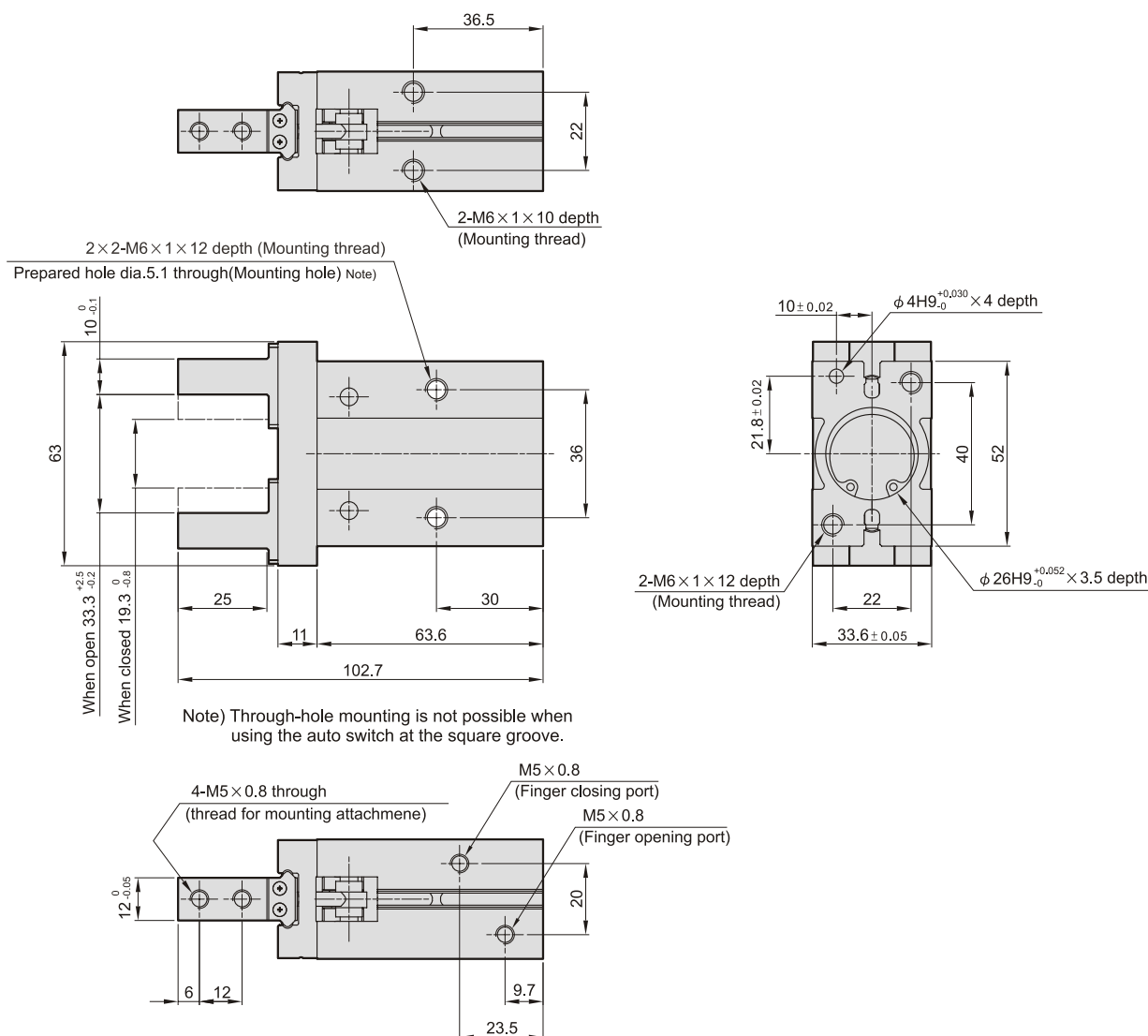
Finger position / Narrow type

MCHC-20-N



MCHC Dimensions $\phi 25$

PARALLEL GRIPPERS



Finger position / Narrow type

MCHC-25-N

